

STANDARD SPECIFICATIONS

ENGINE: MACK, AMI-300 ASET

Horsepower, 300 HP [224 kW] at 2100 Gov. RPM
Peak Horsepower, 325 HP [242 kW] at 1700-1900 RPM
Max. Torque, 1200 lb/ft [1 672 N•m] at 1300 RPM
V-MAC III—Total Vehicle Electronics
Lube Oil System, Full Flow ESI +
Centri-Max® Centrifugal Oil Filter
Silicone Hoses and Tubing on Engine
Air Compressor, TF750 16.5 cfm
Starting System Starter, 12-Volt
Batteries, (2) Mack 12-Volt M/F Type, 1500 CCA
Alternator, 12V 100A, Delco (22 SI)
Air Intake System
Air Cleaner, Single Element—Under Hood
Dry Type
Air Restriction Monitor, Grad. Lock Up Type
(Air Cleaner Mtd.)
Exhaust, Single Vertical Cab Mounted
Cooling System—Shutterless Type
Aluminium Radiator, 950 sq in Frontal Area
Anti-Freeze to -10°F [-23°C]
Fan Drive, Viscous
Poly-V Fan Belt w/Automatic Tensioner
PowerLeash Engine Brake

REAR ENGINE POWER TAKEOFF (REPTO)

Location on Upper Right Position (one o'clock)

CLUTCH: EATON FULLER, CL7981

15.5" [394 mm] Ceramic Dampened Disc,
2-Plate, Coaxial Spring

TRANSMISSION: MACK, TM308M

8-Speed, Ratios: 17.77 Low–0.71 High
PTO Side Gears (RH & LH)
Driveline: Dana Spicer SPL 170 Main and SPL 170
Interaxle Driveline

CAB: MACK CONVENTIONAL, CA67

Interior Features:

Basic: Contractor
Ash Tray
Cigar Lighter
CB—5-way Binding Post
Radio Accommodation Package
Coat Hook
Dispatch Box Mounted on Rear Panel
Overhead Console Including:
Location for Opt. Radio
Bergstrom Blend Air HVAC with R134a Refrigerant
Dome Light w/Self-Contained Switch
Adjustable Steering Column—Tilt Only
18" Steering Wheel, Two Spoke
Seats:
Driver's, Bostrom Talladega 915, Air Susp.
(Mid-Back)
Rider's, Seat
Seat Belts—Driver and Rider
Lap & Shoulder w/Seat Belt Retractor
Sun Visor—Both Side
Floor Mats, Rubber w/Closed Cell Vinyl Nitrile Backing

MACK

CV513

GRANITE BRIDGE FORMULA



- Conventional Chassis
- Front Axle Forward
- 6-Wheel Truck
- ABS (Anti-Lock Brake System)

STANDARD

ENGINE: MACK AMI-300 ASET
325 HP [242 kW] Peak Horsepower

TRANSMISSION: MACK TM308M
8-Speed

FRONT AXLE: MACK FAW20
20,000 lb. [9 072 kg] Capacity

REAR AXLE: MACK SHB38R
38,000 lb. [17 237 kg] Capacity
Suspension: HN 462 46,000 lb. Capacity

PTO: MACK REPTO
(Rear Engine PTO 123%)



STANDARD SPECIFICATIONS

(Continued)

CAB: (continued)

Interior Features: Operational

T.M.C. Recommended Instrument Panel
Air Pressure Gauge
Voltmeter
Fuel Level Gauge
Engine Oil Pressure Gauge
Engine Coolant Temperature Gauge
Low Air Pressure Indicator (Light and Buzzer)
Speedometer/Trip Odometer, Electronic
Tachometer w/Hourmeter, Electronic
High Beam Indicator
Parking Brake On Indicator
Key Type Starting
Engine Shutoff, Key-Type Control
Courtesy Light Switch (Head & Clearance)
Directional Signal

Exterior Features:

Welded Steel Shell, Galvanized
MACK Rust Preventative Procedures
Vents (Screened)
—Fresh Air Inlet for Heater
Cab Step RH—Two Step Aluminum Frame Mounted
Safety Glass Windows
Tinted Windshields, Side & Rear Glass
Windshield Wipers—Two, Fixed Arm & Blade Type
Wiper Motor (Electric), (1), Two Speed Intermittent
Windshield Washers, Electric, Wiper Mtd. With
5 qt. [4.7 L] Reservoir
Mirrors, West Coast Bulldog Bright Finish, 8" Convex
RH & LH w/Stainless Steel Arms & Brackets
Headlamps—Halogen, 7" [178 mm] Round
Daytime Running Lights
Identification and Clearance Lamps (5)
Side Markers—Lamps and Reflectors
Front Turn Signals
Transistorized Flasher
Horns, Air, MACK Rectangular Single Trumpet &
Electric, (Single Tone)
Doors—Galvanized Steel with:
Visibility Door with Roll-Up Tinted Windows
Grab Handles (Stainless Steel), RH & LH Behind Door
Cab Mounting: Trunnion Front, Air Suspended Rear

HOOD & FENDERS:

One Piece Fiberglass with Splash Aprons
Tilts Forward 90°
Grille—Argent Silver Metal

FRAME:

WB—Wheelbase—248" [6 299 mm]
LP—Load Platform—279" [7 087 mm]
CA—Cab to Axle—169" [4 293 mm]
AF—C/L Axles to End of Frame—110" [2 794 mm]
Frame Rails—Steel
Cross Section—10.75" x 3 .25" x .375"
Section Modulus—16.98 in.³ [233.8 cm³]
RBM (per rail)—2,037,600 lb. in. [230 100 N•m]
Crossmembers—Steel Pump Mtg. Crossmember Back Of
Cab, for use w/REPTO
Behind Rear Axle: Web Channel Type
Bumper: Flush Aluminum Bumper
BBC—Bumper to Back of Cab—108" [2 725 mm]
Towing: Pins (2)

FUEL TANKS:

Aluminum
Capacity/Location, 55 gal [208 L] LH

FRONT AXLE: MACK, FAW20

20,000 lb [9 072 kg] Capacity
Meritor Brakes, "S" Cam 16.5" x 6"
Slack Adjusters—Automatic
Suspension, MACK Taperleaf Spring with 20,000 lb
[9 072 kg]
Ground Load Rating
34.5" [876 mm] Spring Centers
Shock Absorbers
Integral Power Steering with Right Side Assist Cylinder
Wheel Equipment, Alcoa 22.5" x 12.25" 10 Hole Hub Piloted
Aluminum Disc Wheel Outboard with Centifuse Drums
and Ferrous Hubs
Wheel Seals—Oil
Tires: 425/65R22.5 (singles)

REAR AXLE: MACK, SHB38R

38,000 lb [17 237 kg] SB38R (Boost-A-Load) Capacity Axle
Carrier—Malleable—CRDPC92/CRD93
Suspension—HN 462 46,000 lb [20 866 kg] Capacity
Brakes—"S" Cam 16.5" x 7" [419 x 178 mm]
Meritor "Q-Plus" Brakes w/o Dust Shields
Slack Adjusters—Automatic
Aux. Spring Brake Chambers, Tamper
Resistant 30/36 Double Diaphragm Type,
Mechanical Spring Release, 4 Units, 2 Mtd. Each Axle
Wheel Equipment, 22.5" x 8.25" Accuride 10 Hole, 11.25"
Bolt Circle, Hub Piloted Steel Disc Wheels with
Centrifuse Drums and Aluminum Hubs
Wheel Seals—Oil
Tires: 11R22.5 (duals)

AIR/BRAKE:

ABS (Anti-Lock Brake System)
Dual Air Brake System
Air Dryer—Heated
Air Reservoirs—Aluminum
Increased Air Package for Local Installation of Boost-A-Load
Lift Axle

ELECTRICAL:

Battery Box with Polished Aluminum Cover
Chassis Electrical
Negative Ground
12-Volt Electrical Circuits and Bulbs
Fuse Protected Circuits
Breaker Protected Headlamp & Windshield Wiper Circuits
Rear Lighting, (2) Combination Stop, Tail Directional &
Back-up Lights

PAINT:

Cab, Hood and Fenders
Color: MACK White, High Gloss
Chassis Running Gear
Color: MACK Black (Urethane)

WEIGHT:

Front: 8,135
Rear: 7,562
TOTAL: 15,697

OPTIONAL EQUIPMENT

FRAME:

Optional Frame without Reinforcement

10.75" x 3.25" x .375"

Resisting Bending Moment, RBM: 2,037,600 lbs. in. [230 100 N•m]

Wheelbase Availability

236" [5 994mm]; 248" [6 299 mm]; 255" [6 477mm]

CAB, INTERIOR TRIM LEVELS:

“**Contractor**”: For complete description, refer to Price Book or MackTraQ

“**Custom**”: For complete description, refer to Price Book or MackTraQ

“**Premier**”: For complete description, refer to Price Book or MackTraQ

OTHER OPTIONAL EQUIPMENT:

Air Conditioner, Integral Comb Unit

Air Dryers

Back-up Alarm

Body Power Cable

Bright Finish Equipment:

Bumpers

Fuel Tank Steps & Straps

Polished Aluminum Disc Wheels

Front Wheel Nuts

Turn Signals, Front

Engine Brake

Engine Cold Starting Aids

Engine Heaters

Engine Protection Shutdown System

Flasher, Transistorized

Fuel Heaters

Gauge Cluster Options:

Air Application

Air Restriction

Axle Oil Temperature

Engine Oil Temperature

Exhaust Pyrometer

Fuel Pressure

Manifold Pressure

Transmission Oil Temperature

Hand Control Valve

Interwheel Power Divider

Mirror Options

Paint—Special Paint Designs

Power Windows and Door Locks

Radio Options, Stereo/Cassette

Seat Options, Driver & Rider

Sliding Rear Window

Sun Visor, Exterior

Synthetic Lubricants

Tandem Axle Spacing Options

Trailer Hook-up Lamp

Waterproof Electrical Connections

Wheel Equipment:

Cast Spoke, Steel or Aluminum Disc

Window Lift —R.H. (Power Electric)

OTHER COMPONENT OPTIONS MAY
BE AVAILABLE UPON REQUEST